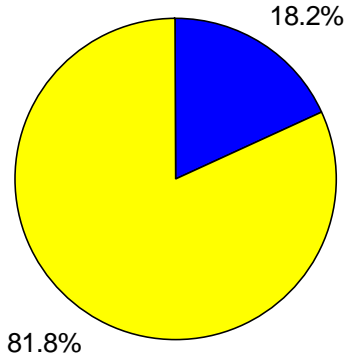


## *Sewer Operation and Maintenance*

### 401-01-Wastewater Collection

Fund/Agency: 401/23		Sewer Operation and Maintenance
Personnel Services	\$7,747,248	<p style="text-align: center;"><b>CAPS Percentage of Agency Total</b></p>  <p style="text-align: center;">81.8%      18.2%</p> <p style="text-align: center;">■ Wastewater Collection   ■ All Other Agency CAPS</p>
Operating Expenses	\$3,211,189	
Recovered Costs	(\$371,072)	
Capital Equipment	\$565,185	
<b>Total CAPS Cost:</b>	<b>\$11,152,550</b>	
Federal Revenue	\$0	
State Revenue	\$0	
User Fee Revenue	\$0	
Other Revenue	\$100,000	
<b>Total Revenue:</b>	<b>\$100,000</b>	
<b>Net CAPS Cost:</b>	<b>\$11,052,550</b>	
Positions/SYE involved in the delivery of this CAPS	144/144	

#### ► CAPS Summary

Wastewater Collection is responsible for the operation, maintenance, repair, and rehabilitation of the County's wastewater collection and conveyance system consisting of approximately 3,100 miles of sanitary sewers and force mains, 60 pumping stations and 51 metering stations. Fairfax County has one of the nation's largest sanitary sewer systems serving 234 square miles.

## *Sewer Operation and Maintenance*

### ► Method of Service Provision

Wastewater Collection uses a combination of County employees and contractors to perform the duties of the various aspects of operating, maintaining, and rehabilitating the sanitary sewer system. The normal hours of operation is Monday – Friday 8:00 a.m. – 4:30 p.m., however emergency crews are available 24 hours a day, seven days a week, including holidays.

It should be noted that in FY 2000 the increase in pump station alarm responses, backups/overflows per 1,000 miles, and pump station failures resulting in overflow, bypass or backup conditions was the result of Hurricane Floyd which produced significant rainfall (approximately 5 inches) in a very short time span in September 1999.

### ► Performance/Workload Related Data

Title	FY 1998 Actual	FY 1999 Actual	FY 2000 Actual	FY 2001 Estimate	FY 2002 Estimate
Miles of sewer lines inspected	1,192	1,093	994	865	935
Pump station alarm responses	319	318	415	360	400
Cost per mile for CCTV inspection	\$835	\$824	\$895	\$870	\$793
Pumping cost per million gallons/day	\$164	\$154	\$154	\$168	\$176
Compliance violations issued	0	0	0	0	0
Force main system reliability as measured by equipment reliability ratio	100	100	100	100	100
Backups/overflows per 1,000 miles	16	14	23	20	15
Pump station failures resulting in overflow, bypass or backup conditions	0	0	3	0	0

## *Sewer Operation and Maintenance*

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### ► **Mandate Information**

This CAPS is Federally or State mandated. The percentage of this CAPS' resources utilized to satisfy the mandate is 76 - 100%. The specific Federal or State code and a brief description of the code follows:

#### **Federal**

- P.L. 92-500
- USCS Title 33, Clean Water Act - mandates the adoption of water quality standards and it's required review every three years.
- EPA Regulations
- Federal Water Quality Standards 40 CFR 131 - specifies minimum requirements for water quality standards.

#### **State**

- Code of Virginia Title 62.1 Chapter 3.1, WATERS OF THE STATE, PORTS AND HARBORS, State Water Control Law - requires monitoring and reporting of all wastewater discharges limits to ensure compliance with water quality standards.
- Code of Virginia Title 32.1-164 Environmental Health Services - requires engineered design for new or upgraded facility be consistent with public health and water quality standards for wastewater treatment and collection systems.
- State Water Control Board Regulations VR680-14-01 through 03 - requires the permitting and monitoring of operation of all wastewater facilities within the State.
- Department Environmental Quality Regulation VR355-17-02 - specifies mandated requirements for water quality standards.

### ► **User Fee Information**

See Fund 400, Sewer Revenues for User Fee Information.